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10052904_CLS
Most Frequently Occurring Classifications of Patents Returned
From A Search of 10052904 on May 29, 2003

Original Classifications

12	324/424
7	361/42
2	324/133
2	324/509
2	324/536
2	324/617
2	335/18
2	361/45
2	361/96

Cross-Reference Classifications

10	324/424
6	324/508
6	361/115
6	361/45
4	340/638
4	361/42
4	361/81
3	324/418
3	324/509
3	324/520
3	361/66
3	361/68
3	361/93.4
2	324/537
2	335/165
2	335/18
2	340/639
2	361/2
2	361/64
2	361/93.2
2	361/93.6
2	361/94

Combined Classifications

22	324/424
11	361/42
8	361/45
6	324/508
6	361/115
5	324/509
4	335/18
4	340/638

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4 361/81
4 361/93.4
3 324/418
3 324/520
3 324/536
3 361/66
3 361/68
3 361/96
2 324/133
2 324/537
2 324/617
2 335/165
2 335/172
2 340/639
2 361/102
2 361/2
2 361/64
2 361/93.2
2 361/93.6
2 361/94
2 700/292
2 700/293
2 702/117

10052904_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10052904 on May 29, 2003

22	324/424	(12 OR, 10 XR)
	Class 324 :	ELECTRICITY: MEASURING AND TESTING
	324/415	ELECTROMECHANICAL SWITCHING DEVICE
	324/424	.Circuit breaker
11	361/42	(7 OR, 4 XR)
	Class 361 :	ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
	361/1	SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
	361/42	.Ground fault protection
8	361/45	(2 OR, 6 XR)
	Class 361 :	ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
	361/1	SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
	361/42	.Ground fault protection
	361/45	..With differential sensing in a single phase system
6	324/508	(0 OR, 6 XR)
	Class 324 :	ELECTRICITY: MEASURING AND TESTING
	324/500	FAULT DETECTING IN ELECTRIC CIRCUITS AND OF ELECTRIC COMPONENTS
	324/508	.With electric power receptacle for line wire testing
6	361/115	(0 OR, 6 XR)
	Class 361 :	ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
	361/1	SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
	361/115	.With specific circuit breaker or control structure
5	324/509	(2 OR, 3 XR)
	Class 324 :	ELECTRICITY: MEASURING AND TESTING
	324/500	FAULT DETECTING IN ELECTRIC CIRCUITS AND OF ELECTRIC COMPONENTS
	324/509	.Of ground fault indication
4	335/18	(2 OR, 2 XR)
	Class 335 :	ELECTRICITY: MAGNETICALLY OPERATED SWITCHES, MAGNETS, AND ELECTROMAGNETS
	335/2	ELECTROMAGNETICALLY ACTUATED SWITCHES

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335/6 .Automatic circuit-interrupting devices (e.g.,
circuit-protective devices)
335/18 ..Responsive to predetermined or abnormal
current condition (e.g., direction, phase a

ngle or

amplitude)

4 340/638 (0 OR, 4 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/500 CONDITION RESPONSIVE INDICATING SYSTEM
340/540 .Specific condition
340/635 ..Condition of electrical apparatus
340/638 ...Fuse or circuit breaker

4 361/81 (0 OR, 4 XR)
Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
361/78 .With specific quantity comparison means
361/79 ..Voltage and current
361/80 ...Distance relaying
361/81With communication means between disconnec

t

points

4 361/93.4 (1 OR, 3 XR)
Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
361/93.1 .With specific current responsive fault sensor

361/93.4 ..Automatic reset after trip

3 324/418 (0 OR, 3 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/415 ELECTROMECHANICAL SWITCHING DEVICE
324/418 .Relay

3 324/520 (0 OR, 3 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/500 FAULT DETECTING IN ELECTRIC CIRCUITS AND OF
ELECTRIC COMPONENTS
324/512 .For fault location
324/520 ..By frequency sensitive or responsive
detection

3 324/536 (2 OR, 1 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING

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324/500 FAULT DETECTING IN ELECTRIC CIRCUITS AND OF
ELECTRIC COMPONENTS
324/512 .For fault location
324/536 ..By spark or arc discharge

3 361/66 (0 OR, 3 XR)
Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
361/62 .Feeder protection in distribution networks
361/65 ..With current and voltage responsive fault
sensors
361/66 ...With communication between feeder disconnect
points

3 361/68 (0 OR, 3 XR)
Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
361/67 .Series connected sections with faulty section
disconnect
361/68 ..With communication between disconnect points

3 361/96 (2 OR, 1 XR)
Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
361/93.1 .With specific current responsive fault sensor

361/94 ..With time delay protective means
361/95 ...With instantaneous override
361/96With multiple timing characteristics (e.g.
short, long)

2 324/133 (2 OR, 0 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PE
SE
324/133 .Nonquantitative (e.g., hot-line indicator,
polarity tester)

2 324/537 (0 OR, 2 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/500 FAULT DETECTING IN ELECTRIC CIRCUITS AND OF

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ELECTRIC COMPONENTS

324/537 .Of individual circuit component or element

2 324/617 (2 OR, 0 XR)

Class 324 : ELECTRICITY: MEASURING AND TESTING
324/600 IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES
REPRESENTATIVE OF ELECTRICAL STIMULUS/RE

SPONSE

RELATIONSHIPS

324/612 .Parameter related to the reproduction or
fidelity of a signal affected by a circui

t under test

324/615 ..Transfer function type characteristics
324/617 ...Response time or phase delay

2 335/165 (0 OR, 2 XR)

Class 335 : ELECTRICITY: MAGNETICALLY OPERATED SWITCHES,
MAGNETS, AND ELECTROMAGNETS
335/2 ELECTROMAGNETICALLY ACTUATED SWITCHES
335/165 .Contact-actuating means unitary with latch or
trip

2 335/172 (1 OR, 1 XR)

Class 335 : ELECTRICITY: MAGNETICALLY OPERATED SWITCHES,
MAGNETS, AND ELECTROMAGNETS
335/2 ELECTROMAGNETICALLY ACTUATED SWITCHES
335/172 .Tripping means

2 340/639 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
340/500 CONDITION RESPONSIVE INDICATING SYSTEM
340/540 .Specific condition
340/635 ..Condition of electrical apparatus
340/638 ...Fuse or circuit breaker
340/639Plural

2 361/102 (1 OR, 1 XR)

Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
361/93.1 .With specific current responsive fault sensor
361/102 ..With mechanical circuit breaker

2 361/2 (0 OR, 2 XR)

Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES

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361/2 .Arc suppression at switching point (i.e., includes solid-state switch)

2 361/64 (0 OR, 2 XR)

Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES

361/62 .Feeder protection in distribution networks

361/63 ..With current responsive fault sensor

361/64 ...With communication between feeder disconnect

t

points

2 361/93.2 (0 OR, 2 XR)

Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES

361/93.1 .With specific current responsive fault sensor

361/93.2 ..Digital control

2 361/93.6 (0 OR, 2 XR)

Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES

361/93.1 .With specific current responsive fault sensor

361/93.6 ..Transformer sensor (i.e., toroidal current sensor)

2 361/94 (0 OR, 2 XR)

Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES

361/93.1 .With specific current responsive fault sensor

361/94 ..With time delay protective means

2 700/292 (1 OR, 1 XR)

Class 700 : DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC APPLICATIONS

700/90 SPECIFIC APPLICATION, APPARATUS OR PROCESS

700/286 .Electrical power generation or distribution system

700/292 ..System protection (e.g., circuit interrupter

circuit limiter, voltage suppressor)

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- 2 700/293 (1 OR, 1 XR)
Class 700 : DATA PROCESSING: GENERIC CONTROL SYSTEMS OR
SPECIFIC APPLICATIONS
700/90 SPECIFIC APPLICATION, APPARATUS OR PROCESS
700/286 .Electrical power generation or distribution
system
700/292 ..System protection (e.g., circuit interrupter
circuit limiter, voltage suppressor)
700/293 ...Abnormal power, current, or impedance
condition
- 2 702/117 (1 OR, 1 XR)
Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR
TESTING
702/108 TESTING SYSTEM
702/117 .Of circuit